

GEIER & BLUHM

Manufacturers of Surveying Instruments

TROY, N. Y.

Products.

INSTRUMENTS of PRECISION for engineers, surveyors, builders and architects, including TRANSITS, LEVELS, and SUPPLIES.

Y Levels.

Up to the present time this company has manufactured Y levels exclusively, their aim being to center their attention on one line of instruments in order to make them medium in price, yet accurate enough to meet the demands of all but the most sensitive work. That they have not sacrificed quality in their attempt to reduce the cost of these instruments, is indicated by the following partial list of specifications:

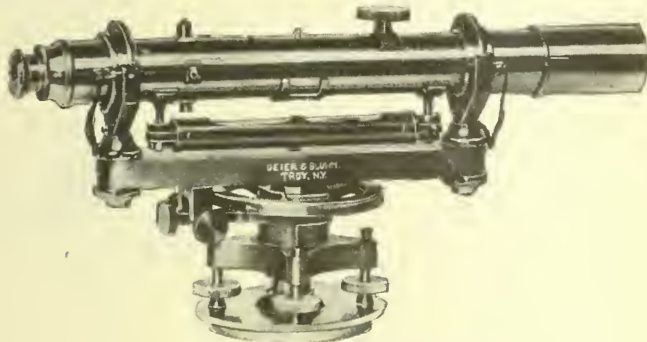


FIG. 1. CONTRACTOR'S LEVEL
Price \$50.00

CENTERS—One of the important features of the Y levels made by this company is steel centers. These centers are extraordinarily long and are made of the best selected steel, are finely ground and fitted. Cones are accurately circular.

LEVELING SCREWS—These screws are cut on micrometer screw cutting machines and finally passed through standard screw plates to insure a true and unwearable fit.

THE Y'S—Important changes have been made to the Y clips by placing adjustment screws on top of the clips in a protected position, thus preventing screws from being bent while carrying in case. A stop pin insures horizontal position of cross wire.

TELESCOPE—Lenses are made of finest Jena product and especially ground. They give a large flat field of view, improved illumination and sharply defined field. Telescope is well balanced and reversible at both ends. Line of collimation correct for all distances.

Standard.

The standard pictured was designed to convert the contractors' level into the transit illustrated in Fig. 4. In addition it will convert any make of level into a transit if the level is sent to the factory for this purpose. The price of this attachment is \$25.

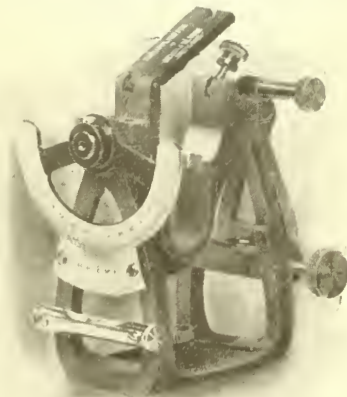


FIG. 2. STANDARD

Engineers' 20-in. Y Level.

Telescope is 20 ins. long, provided with powerful lenses $1\frac{1}{2}$ ins. objective, giving perfect illumination. Eyepiece is erect, giving large, flat field of view. Line of collimation is correct for all distances. All instruments are adjusted with sun shade in position. Spirit level is exceptionally long (over 8 ins.) value from 10 to 20 seconds per graduation.

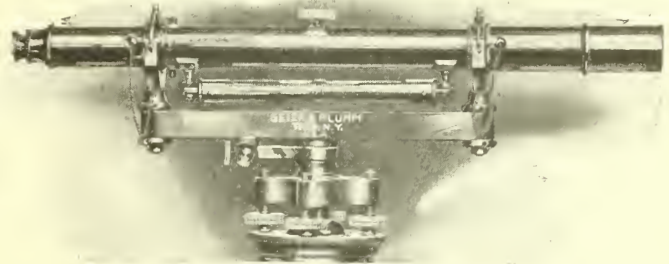


FIG. 3. ENGINEERS' 20-IN. Y LEVEL
Price, \$115.00

Transit-Level.

Recently a combination level and transit has been designed, the cost of which is far below that of the two instruments purchased separately, yet the usefulness and accuracy of each has not been impaired. Fig. 1 shows the instrument for use as a level only, while by adding the "standard," pictured in Fig. 2, converts this instrument into a transit. Attention has been given to *upright* position when used in the wyes or in the standard. This construction eliminates the old style when the telescope must be used upside down when converted, which brings the pinion on the opposite side and consequently confuses the operator.

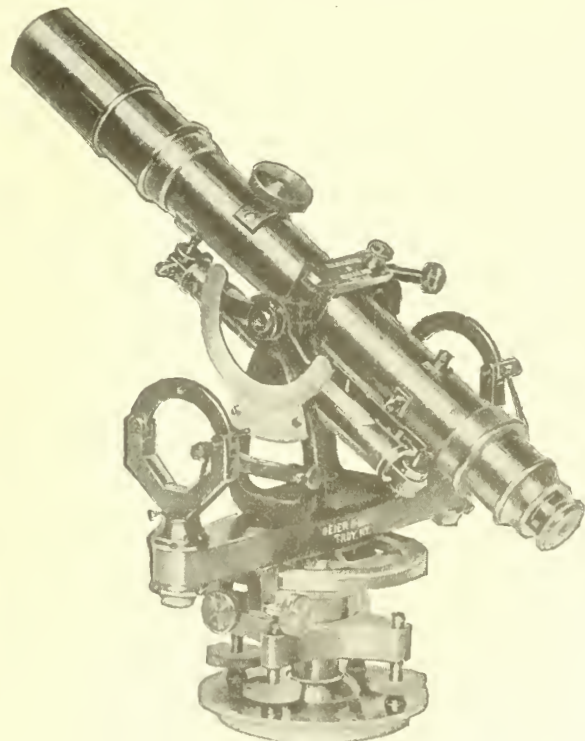


FIG. 4. TRANSIT-LEVEL (PATENTED)
Price \$67.50